

i

TABLE OF CONTENTS

Introduction

Section I Standard Procedure Summary General Project Process

Section II General Design Requirements for Water and Wastewater Projects

Section III Design Criteria for Water Projects General Pressure Plane Areas Design Criteria

Section IV Design Criteria for Wastewater Projects (Revised 9/01/01) General Preliminary Design Procedure Wastewater Mains and Laterals, Wastewater Lift Stations and Force Mains

Section V Easement Requirements

Appendix

- Appendix A General Requirements for Developer's Project (Revised 2/08/01)**
- Appendix B Minimum Requirements for Developer's Project (Revised 2/08/01)**
- Appendix C Expediting Review and Approval of Plans**
- Appendix D Pre-Qualification Requirements for Contractors (Revised 7/01/01)**
- Appendix E Formal Community Facilities Agreement**
- Appendix F Informal Community Facilities Agreement (Revised 9/08/00)**
- Appendix G Standard Symbols and Abbreviations**
- Appendix H Backflow Protection**
- Appendix I Definitions**

Exhibits

- Exhibit 1 Flow Chart - Developer Project Approval**

Introduction

The purpose of this manual is to provide a set of minimum guidelines for the design and layout of water distribution and wastewater collection systems. These policies and procedures are applicable to engineering planning and design work performed by the Fort Worth Water Department, Engineering Department and engineering firms engaged by the City or by private interests. Deviations from these policies and procedures will not be acceptable except following discussion and approval by the Water Director. The policies and procedures established in this manual have been developed from a review of basic design engineering as contained in various publications and from recommendations from various individuals and professional organizations that oversee the engineering, construction and maintenance of the water distribution and wastewater collection systems. In addition, rules and regulations as published by the Texas Natural Resources Conservation Commission covering wastewater collection system and the Texas Water Commission covering water distribution system will also apply.

This manual is to assist engineers in preparing designs for the construction of water and wastewater facilities. As such, it does not reflect construction procedures and techniques listed in the City of Fort Worth General Contract Documents and Specifications for Water Department Projects.